

## Morse, Bob

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**From:** Morse, Bob  
**Sent:** Monday, October 29, 2018 5:13 PM  
**To:** Singh, Sharissa  
**Cc:** Pocze, Doug; Nace, Charles  
**Subject:** RE: Seneca Army Depot draft PFAS Expanded Site Investigation (ESI) Work Plan

OK I seem to recall in my short time on this site reading something about there being no connection between the deep and shallow aquifer but I'll let the Army address that in their response if that is the case.

Bob

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**From:** Singh, Sharissa  
**Sent:** Monday, October 29, 2018 5:02 PM  
**To:** Morse, Bob <Morse.Bob@epa.gov>  
**Cc:** Pocze, Doug <Pocze.Doug@epa.gov>; Nace, Charles <Nace.Charles@epa.gov>  
**Subject:** RE: Seneca Army Depot draft PFAS Expanded Site Investigation (ESI) Work Plan

Hi Bob,

In addition to my earlier comments, I wanted to add that it does not appear that the deeper aquifer in the shale bedrock was ever investigated for PFOA/S impacts. Suggest installing some deep monitoring wells into the competent bedrock in order to confirm that there are no deep impacts.

Please let me know if you have any questions or would like to discuss further.

Thanks!

Sharissa Singh, P.G.  
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US EPA, Region 2  
Superfund Technical Support Branch  
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**From:** Morse, Bob  
**Sent:** Monday, October 29, 2018 2:12 PM  
**To:** Singh, Sharissa <[Singh.Sharissa@epa.gov](mailto:Singh.Sharissa@epa.gov)>  
**Subject:** RE: Seneca Army Depot draft PFAS Expanded Site Investigation (ESI) Work Plan

Ok thanks Sharissa !!!!

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**From:** Singh, Sharissa  
**Sent:** Monday, October 29, 2018 2:08 PM  
**To:** Morse, Bob <[Morse.Bob@epa.gov](mailto:Morse.Bob@epa.gov)>; Nace, Charles <[Nace.Charles@epa.gov](mailto:Nace.Charles@epa.gov)>

**Cc:** Pocze, Doug <[Pocze.Doug@epa.gov](mailto:Pocze.Doug@epa.gov)>

**Subject:** RE: Seneca Army Depot draft PFAS Expanded Site Investigation (ESI) Work Plan

Bob,

I have reviewed the above referenced document and offer the following comments:

- Section 3.01 indicates that the proposed wells will be installed to refusal or top of competent bedrock. Please include a range of depth to bedrock in this section or Section 2.3.
- Section 3.0.5.3 indicates that the gw samples will be submitted to an approved DoD approved and NYS certified laboratory for analysis. Please confirm that the gw samples will be analyzed in accordance with EPA Method 537.1.1, modified if needed.
- Section 3.1.1.1 indicates that there is an open drainage ditch located at Sead 25. Suggest collecting a water sample from the drainage ditch to confirm that PFAS contamination does not exist in the local surface water flow regime.
- Figure 2 depicts gw contours and the proposed well locations. Suggest installing two (2) additional wells in the E-SE quadrant since the gw flow is radial around MW25-2 (which contains the highest concentrations of PFOA/S and gw contours appear to have a steep gradient towards the E-SE direction).

In addition, the report indicates that soil was removed from both Sead 25 and Sead 26 to address BTEX and cPAH contamination, respectively. Since the 2017 PFAS SI identified PFOA/S impacts in the gw, was there a soil investigation conducted to delineate nature and extent of PFOA/S contamination in the soil? If not, suggest conducting a soil investigation to delineate PFOA/S contamination especially at Sead 25 since the PFOA/S concentrations (92,900 ppb?) are indicative of a residual source area.

Please let me know if you have any questions or would like to discuss further.

Thank you

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**From:** Morse, Bob

**Sent:** Friday, October 12, 2018 11:43 AM

**To:** Singh, Sharissa <[Singh.Sharissa@epa.gov](mailto:Singh.Sharissa@epa.gov)>; Nace, Charles <[Nace.Charles@epa.gov](mailto:Nace.Charles@epa.gov)>

**Cc:** Pocze, Doug <[Pocze.Doug@epa.gov](mailto:Pocze.Doug@epa.gov)>

**Subject:** Seneca Army Depot draft PFAS Expanded Site Investigation (ESI) Work Plan

Sharissa and Chuck,

I just received the above document. Sorry, as I'm new to the site I have very little background to provide. The work plan addresses sites 25 and 26, both of which were previously investigated for PFAS. They are fire training areas.

I received the below info (in quotes) from the Army a few days ago by email. Please read and take note of it:

"The PFAS workplan was sent out prematurely by Parsons, so you will be receiving it soon. The premature document was not revised for the two statements below.

- 1) We had barreled IDW soil and water at all our sites, sampled, and placed the IDW on site at the respective sites. We all agreed to place any boring soil and groundwater on sites where it was sampled.
- 2) We had deep wells paired with a shallow well at all sites, including SEAD 25. The TCE was a concern as a dnapi, but there were non-detects in the lower aquifer.

Melissa, as the state has been sampling private wells near the airfield, have they sampled any private wells on the east side of the Depot?"

For clarification, Melissa is the NYSDEC RPM, and I have not seen a response from her. Also, the previous agreement regarding IDW predates me but Julio said he agreed.

Due to confusion on the Army end, I only received 1 hard copy, which I will give to Sharissa in a few minutes. For Chuck, the document is on my R Drive at R:\BMORSE\docs\SEAD\PFAS\ESI Sites 25 & 26\Work Plan\Draft\ARMY

Please review and provide any comments you may have to me by Friday November 2. Please let me know if you have any questions or if you anticipate or experience any problems with making this deadline.

Thanks a lot !!!!

Bob